



CQ SSTV de VE3FAL



This picture received at my QTH on 2 meters, Thanks Bob

Ok, picture this and no pun intended.....

I load a still picture onto the transmit screen of my SSTV software, I hit the TX button and the soundcard sends a signal to my FT857 and keys it up and sends that out into the airwaves, the receiving station on the other end hears what sounds like Sputnik satellite telemetry sent out to the world back in 1957.

Using a computer, computer soundcard and some simple patch cables I am able to exchange pictures with fellow amateurs on HF and VHF bands. Using the speaker output and the microphone input to your computer and hooked up to the radio allows one to generate this SSTV picture all the while using some very user friendly free software.

I take audio from the radio and feed that into my microphone jack on my computer, by adjusting input levels and audio levels from the transceiver I now have the signal needed to print a picture on my screen.
Here is a simple interface that can be built with spare parts from your junk bin.

Using such an interface as pictured above and using a VOX on your microphones input will allow you to transmit. If you do not like to use this method you can purchase already built cables and interface boxes that will take fixed audio levels from your radio and put them to the computer. These interface units will also utilize your PTT (Push To talk) inputs and taking away from the radio being keyed up accidentally from the computer and having to adjust VOX and anti-VOX levels.

There is a wide variety of interface units that can be used; I will post some of the links for you to check out.

<http://www.westmountainradio.com/RIGblaster.htm>

<http://buxcommco.com/>

<http://www.tigertronics.com/>

There are many more out there and lots of homebrew designs as well. Take a look around and do a search.

As far as software for digital modes or specifically for SSTV there are way too many to mention. There are lots of free programs out there designed by hams for your use, let them know how well it works for you and that you appreciate the

program, some ask simply for you to register or even donate a few bucks to help the programmer. My 2 favorite programs are MixW which is a multimode program that allows you to work up to 15 different modes; it will even decode morse code. This software requires that you pay for it after evaluation to open up other options, and my registered copy was well worth the money. The link is:

<http://www.mixw.net/>

The other program worth getting for SSTV is called MMSSTV. This program has got to be the most user friendly software in existence and is absolutely free to use. Setting the program up for SSTV on HF and VHF is easy after you have your soundcard enabled or your computer. Transferring pictures is a snap with this program utilizing drag and drop or right click and copy. The clarity is beyond any comparison to other programs, all this in one small but very efficient program. There is also a sister program called MMTTY used for radio teletype. The link for this software is located below:

<http://mmhamsoft.amateur-radio.ca/mmsstv/>

You can find many references related to SSTV frequencies on all bands. I can tell you that 14.230 and 14.233 are probably the busiest frequencies around on the 20 meter band. 14.230 is also maintained by various live stations that

rebroadcast the pictures on their websites so people can see where propagation is.

<http://kantagree.no-ip.com:8080/public/sstv/archives/index.html>

<http://www.wd7f.com/sstv/>

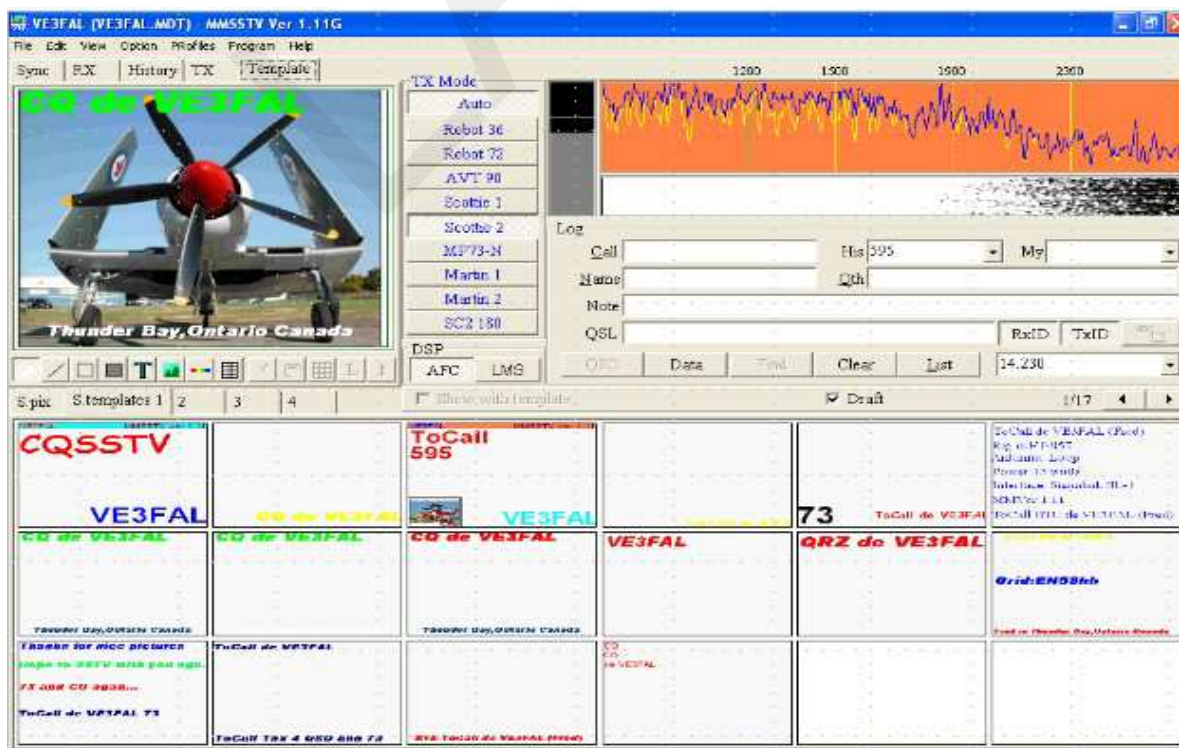
The webpage's above give you an idea about some of the types of pictures people send, and from what parts of the world people send from.

On 2 meters you can find FM SSTV on 145.500 and 145.600 simplex. Locally we are trying to monitor and utilize the 145.500 MHz frequency that is allocated to digital communications. Rob VA3ROM and I are busy playing on 2 meters and looking to set up a roundtable or a weekly SSTV net. There is also a potential to set up on 10 or 6 meters SSB SSTV if there is interest in the mode. For now look for us on 145.500 MHz, you can't miss the sound.

Have fun and I want to see your picture on my computer screen.

73

Fred Lesnick
VE3FAL



LARC SENATE

Keith Fiske VE3JQ
Pat Doherty VE3PD
Dave Kimpton VE3AVS
Laurie Bridgett VE3BCD
Terry Stewardson VA3LU
Ed Baumann VE3SNW

ABOUT US

The :Lakehead Amateur Radio Club (LARC) is an incorporated not for profit group of amateur radio operators in the Thunder Bay area that meet for self education, community service and fellowship. Our meetings are the second Thursday of the month at room 191 McIntyre Building, Confederation College, 7:30 PM. Our postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. This newsletter is published monthly except for July and August by Ed Baumann VE3SNW and questions and submissions may be emailed to ve3snw@shaw.ca

LARC EXECUTIVE

President
Vacant
Vice-President
Bob Hansen VE3RVA 767-6924
Secretary
Karl VE3RRP
Treasurer
Joe Coghlan VE3TBX 344-6566
Directors
Brad Harris VE3MXJ 767-0628
Randy Gottfred VA3OJ 474-0910
Doug VE3EFC
Brian Bolt VE3BCQ
Past President
Bill Unger VE3XT

Treasurer's Report

Balance on Hand - September 4, 2008 \$5,787.78

Income

Memberships	\$595.00
Conquer the Dog - Donation	\$200.00
Bank Interest	\$000.10
Donation - in lieu of membership	\$35.00

Total Income \$830.10

Expenses

Thunder Bay Telephone	\$95.22
Insurance	\$550.80
Bank Service Charges	\$2.50

Total Expenses \$648.52

Balance on Hand - October 1, 2008 \$5,969.36

Joe Coghlan - VE3TBX
Treasurer

LARC Emergency Coordinator
VA3OJ Randy Gottfred 474-0910
ARES District Emergency
Coordinator
VE3FAL Fred Lesnick 577-0789
Assistant
VE3MXJ Brad 767-0628
CANWARN
VA3JMS John 767-3631
VE3MXJ Brad 767-0628
Public Service Events
VE3MXJ Brad 767-0628
VA3JMS John 767-3631
Amateur Radio
Accredited Examiner
VE3FAL Fred Lesnick 577-0789
flesnick@tbaytel.net

LARC OPEN ACCESS REPEATERS

VE3YQT(Mount Baldy)147.060 (-600) Phone Patch

VE3TBR (St. Joseph's) 145.490 (-600) (100.0 Hz)
442.075 (+5 MHz)
144.390 APRS

VE3BGA (Hillcrest H.S.) 145.450 (-600) (IRLP Node VA3LU 123.0 Hz)
442.825 (+5 MHz) (100.0 Hz)

VE3UPP Upsala 145.470 (-600)

Hams to the Rescue

<http://www.arrl.org/news/stories/2008/09/23/10348/?nc=1>

Donald Kannegiesser VA3DOK

passed the advanced exam on Sept 22 2008. Congratulations to Donald on his hard work. He is now determined to get his 12 wpm.

Karl Hamilton VE3RRP

is a new member and new to Thunder Bay. He and his family moved to the area last December from Minden, ON. He enjoys 2 M FM activity, and QRP CW on 30 (and soon other bands). He is self-employed as a nature sound producer and recordist. His website is www.naturesounds.ca

Minutes of LARC Sept. 11, 2008 Meeting:

President, Bill Unger, Ve3xt presided.

Moved by Bob, Ve3bhn to have Financial Report minutes as reported in September issue of HI-Q accepted. The motion was accepted by Mike, Ve3zg, All in favour. (Joe, Ve3tbx, treasurer only one opposing motion, (Hi, Hi,))

Old Business:

- Club's 75th anniversary committee: Chair person
- Ve3rrp, Karl
- Ve3xt, Bill
- Ve3efz, Ken
- Ve3ua, Jim (in absentia)
- Ve3atc, Leo (in absentia)

Treasurer, Joe, Ve3tbx suggested that \$100 be made available to the committee to cover initial expenses.

- Ham Classes: Chair person - Ve3xt, Bill
- Ve3rrp, Karl

Ve3tbx, Joe

Ve3efc, Doug

Treasurer, Joe, Ve3tbx suggested that \$100 be made available to the committee to cover initial expenses.

Joe, ve3tbx mentioned that cross publicity may be possible between the 2 groups. (anniversary and ham class committees)

Publicity:

- Mike, Ve3zg reported that the annual Christmas Parade will have its first meeting this Monday, Sept. 15th.
- Run for the Cure - Brad, contact (absent ??)
- The Grand Kam - was well run, reported Bill, ve3xt
- Hymer's Fair, LARC station was a well manned effort. Ve3tbx, Joe outlined those involved in his notes. As well he passed on the names of those at the fair that expressed an interest in possibly becoming future hams.

Repeater News:

- Randy, Va3oj reported that the new controller was being worked on for the local repeater.
- Randy, Va3oj who has some ability in controlling the new Grand Portage repeater which was recently set up by the Boundary Waters Amateur Radio Club. It has tremendous coverage into NW ON, too. Locally, Oliver Rd. hill by the hospital and Hillcrest Park so far are the best areas to hit this repeater.

Preliminary tests show that this repeater can be accessed from Atikokan to Dog Lake.

Old Business:

September minutes con't

- John, va3jms stated that this summer was quiet as far as CanWarn activity.

- Bill, ve3xt RAC rep. made a brief report about the passing of Debbie Morgan. Also, he stated Rac was trying to get some new frequencies: 5 m, 136 kHz and qrs-s usage.

- Bill, ve3xt also attended Winnipeg's Amateur radio summer hamfest. He mentioned NEVIS (which stands for). This antenna system has a 700 km radius (great for this type of northern terrain) The key is to keep this dipole antenna (80 meter,dipole) close to the earth as it radiates upward.

New Business:

- Randy, ve3oj mentioned that the Boundary Water Amateur Club will be holding a holding a barbecue at the Maple Tower site, on Saturday, Sept. 28 at 13:00 CST (14:00 EST). If you plan on attending, please confirm with Pat, n0wsi. Bring a sidedish, too.

If you plan on using the new Grand Portage repeater, please help this club out by paying the \$15 repeater club fee.

- Merve, vo1tsa (soon to be, va3tsa) who works for the Salvation Army will be planning an event that may need the assistance of local amateurs/ (the club)

Election of LARC 2008 - 2009 Executive:

President: Vacant

V.P. ve3rva, Bob

Treasurer, ve3tbx, Joe

Recording Secretary: ve3rrp, Karl

Directors: va3oj, Randy

va3bcq, Brian
ve3mxj, Brad
ve3efc, Doug

Motion: Moved by va3oj, Randy that the position of president be deferred. With the VP, (ve3rva) in place, he will run the meeting till the next meeting.

the motion was seconded by (va3jms), John.

At 20:27 a motion to adjourn was made by ve3tbx, Joe

Recording secretary: Ken, ve3efz

Little Thunder QRP Club

Wednesday October 15th 2008

7:00 PM local time

The Home of Bill VE3XT at:

165 Ridgecrest Road

Please bring along any new QRP items or ideas to the meeting.

LARC HISTORY PROJECT 75th ANNIVERSARY

The Lakehead Amateur Radio Club (LARC) was founded in the 1934-1935 period. However the wording of the minutes of that first meeting implies there was an even earlier club.

>From its meager beginnings to present, LARC dedicated amateurs brought together their interests and knowledge to help each other advance in their individual and collective interests in the hobby.

Over the years, since the beginning, records of involvement, contributions, events, and technical aspects were produced which track the clubs members from the earliest members to present.

Browsing the records can be entertaining and enlightening as one sees just how much the club has meant to its members.

Historycontinued.....

HISTORY PROJECT

For years, Jim O'Brien VE3UA has compiled and protected documents such as what is now HI-Q, letters, meeting minutes, and whatever else he could save from being forever lost. This amounted to boxes and boxes of records that he spent countless hours of time and energy putting into organized lists to be able to properly index and track the information.

A lot of the early records were hand written and early copies were less than perfect to read! Jim had started to transfer these records by hand to computer friendly pages that could be stored. Again, Jim spent countless hours and days of his time transcribing hard to read, or questionable dated documents to a form others could read and follow.

In 2006, I saw the amount of work Jim put into compiling the historic records and offered to try to advance the transferring of these documents to formats and indexing that would be readily accessible to all members and be a permanent history of the club. Jim had converted a lot of the early documents he worked on to a .pdf format. We decided that this was the way to go and should be a standard format for some time that would not change like WordPerfect or Word that changes from time to time to new formats.

With Jim's participation, I developed a web access database program to record each and every document. This was set up so we could separate the records and individually enter the necessary information from our home computers. With both us working from our homes, we could see what each of us entered, along with the updates as the entries progressed. Along the way, we ran into several instances where we changed the database fields to record other fields of information, such as document condition, type of document, etc to track the piles of records. With progress, slow at times, we started to see the final product of our work and could identify duplicate, missing, or partial records. This would help in seeking missing information from other club members that had documents that were not in the reams of paper we had.

As work progressed, we found the amount of documents overwhelming and knew it would take the two of us months or years to convert all the outstanding records to .pdf files for eventual electronic storage on our own.

A call went out to other club members who might be able to help convert binders of material. We did get the bulk of the outstanding documents converted. Special thanks to Bill Unger VE3XT and Robert Mazur VA3ROM who spent hours scanning binders of written information and converting them to .pdf files.

DOCUMENTS

Final confirmation and recording of documents on hand will have to be done in the future to ensure we have converted all the records we have on hand to .pdf format. With the boxes of documents, again, this will take a lot of time and effort. We are sure the bulk of it has been taken care of, but with the amount of pages involved, some more than likely have been missed.

PHOTOS

The club has photos going back to the date the club was formed. These will be eventually scanned also, and converted to .jpg files so they can also be electronically stored.

Dave Kimpton VE3AVS has scanned a lot of these photos to date. (Thanks Dave!)

The photos will also have to be individually identified as to the people shown, date taken if possible and location. Again, this will take some time so will be the second stage of the History Project.

VIDEO and MEDIA

Several video tapes from the past were in the historic collection. These were in varying formats and needed to be converted to a format that could be electronically stored and available to all members either via the internet or on disc. Thanks to the efforts of Lindo Scalese VE3NHX these have been now been converted and are on the list for eventual addition to the website (as time permits). This will be the third stage of the History Project.

PRESENTLY

Our original idea was to place all of the .pdf files, photos, and videos on CD's or DVD's with a nice artistic label. This can still be done if there is enough interest to make the work worthwhile. The benefits of having all the records on one disk would be to be able to search the complete history and view desired documents a lot faster than over the internet.

I will placing the scanned documents, we have so far, on the club website <http://www.larclub.net> for viewing.

Historycontinued.....

These are in .pdf format, and Adobe Reader is required to view them. Watch the club website for updates.

The documents will be listed by date, and may have some other information with the listing. Presently I am using a basic directory , which will be updated in the future to a menu system - again as time permits- to get us started using the files.

Help from any interested members would be appreciated. For now, work is required in the following areas:

1. Comparing original documents on hand to those that have been scanned and processed to ensure we have not missed any. (A lot of them!)
2. Identifying photos- people, dates, places, etc

Thanks to all who have taken the time and effort to contribute files or copy items that were not previously available to us.

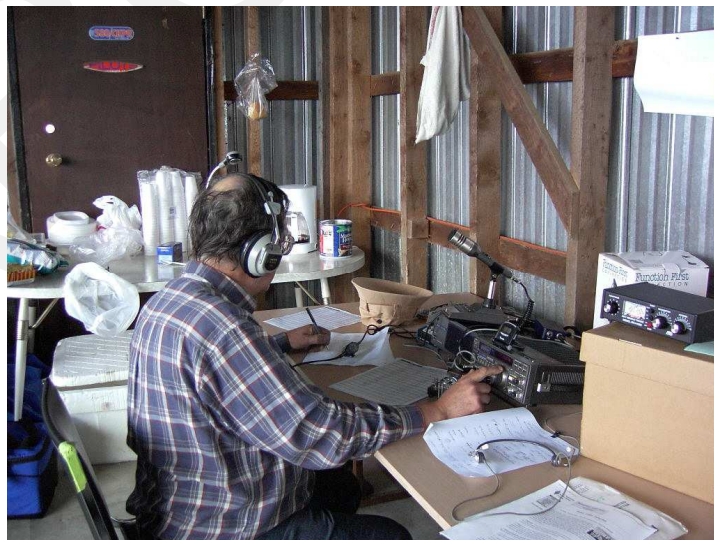
Leo, VE3ATC

Photos from Simulated .Emergency Test





*And finally...just some fond
memories of a friend to the
LARC
Bill Klemacki*



A silent key far too soon

taken at Field Day 2004

thank you Fred VE3FAL

October 2008

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9 LARC Meeting	10	11	12
13 Thanksgiving	14	15 Little Thunder QRP Club meeting	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		